

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 7,424,856 B2  
APPLICATION NO. : 10/525565  
DATED : September 16, 2008  
INVENTOR(S) : Werner Brennwald et al.

Page 1 of 16

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page should be deleted to appear as per attached title page.

[REDACTED]

Delete the Drawing Sheets 1-7 and substitute therefor the attached Drawing Sheets 1-14.

This certificate supersedes all previously issued certificates of correction.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

PLEASE  
SCAN

NEW  
TITLE  
PAGE

(new page 2 & 16)

NEW  
DRAWING  
SHEETS

1-14

(new pages 3-16)



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(12) **United States Patent**  
**Brennwald et al.**

(10) **Patent No.:** **US 7,424,856 B2**

(45) **Date of Patent:** **Sep. 16, 2008**

(54) **GRATE ELEMENT FOR A GRATE OF A  
WASTE COMBUSTION INSTALLATION**

(75) **Inventors:** **Werner Brennwald, Neftenbach (CH);  
Manfred Wider, Uster (CH); Fritz  
Weber, Netstal (CH)**

(73) **Assignee:** **Von Roll Umwelttechnik AG (CH)**

(\*) **Notice:** **Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 397 days.**

(21) **Appl. No.:** **10/525,565**

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(2), (4) **Date:** **Feb. 25, 2005**

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**PCT Pub. Date:** **Mar. 25, 2004**

(65) **Prior Publication Data**

**US 2005/0257723 A1** **Nov. 24, 2005**

(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**  
**F23H 7/08** (2006.01)

(52) **U.S. Cl.** ..... **110/281; 110/258; 110/291**

(58) **Field of Classification Search** ..... **110/281,  
110/257, 258, 267, 268, 282, 283, 284, 289,  
110/290, 291, 296**

See application file for complete search history.

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*Primary Examiner*—Kenneth B Rinehart

(74) *Attorney, Agent, or Firm*—Herskovitz & Associates,  
LLC; Abe Herskovitz

(57) **ABSTRACT**

The present invention relates to a grate element (1) for a grate of a waste-incineration plant, having a plurality of rows of grate blocks, which are moveable or fixed, arranged one behind the other, a plurality of grate blocks (67) being arranged in each row of grate blocks. A first number of grate blocks arranged in a moveable row of grate blocks here is assigned to a first grate carriage (5), and a second number of grate blocks arranged in a moveable row of grate blocks is assigned to a second grate carriage (35), it being possible for the first number of grate blocks to be moved independently of the second number of grate blocks.

**3 Claims, 14 Drawing Sheets**

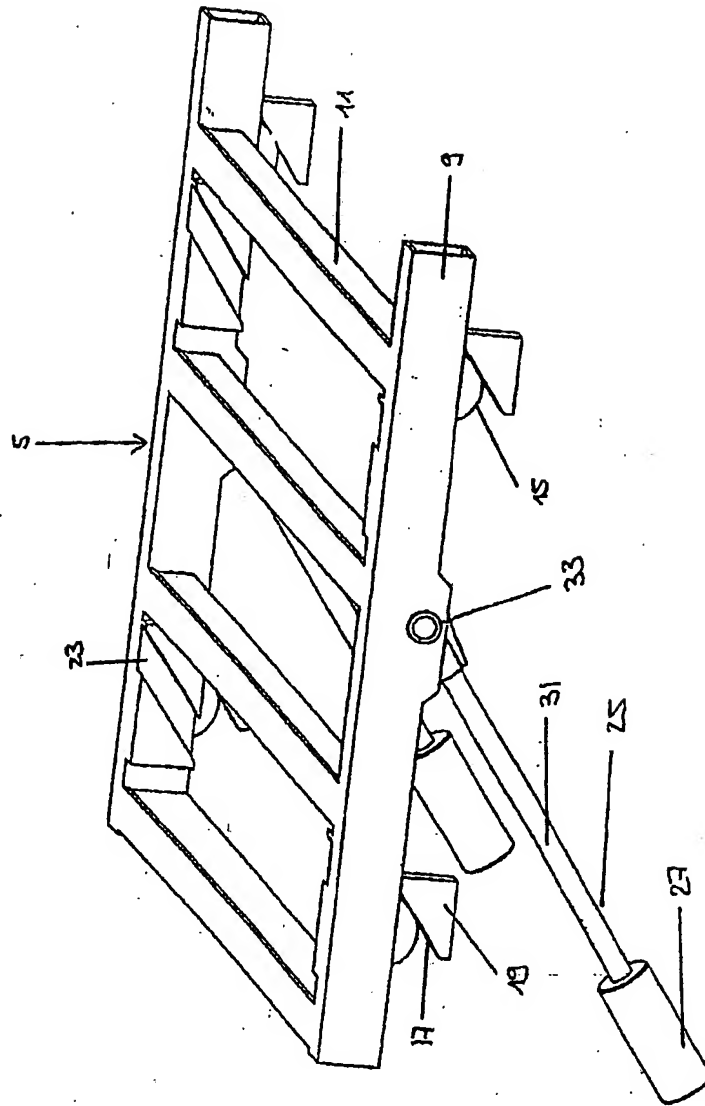


Figure 1



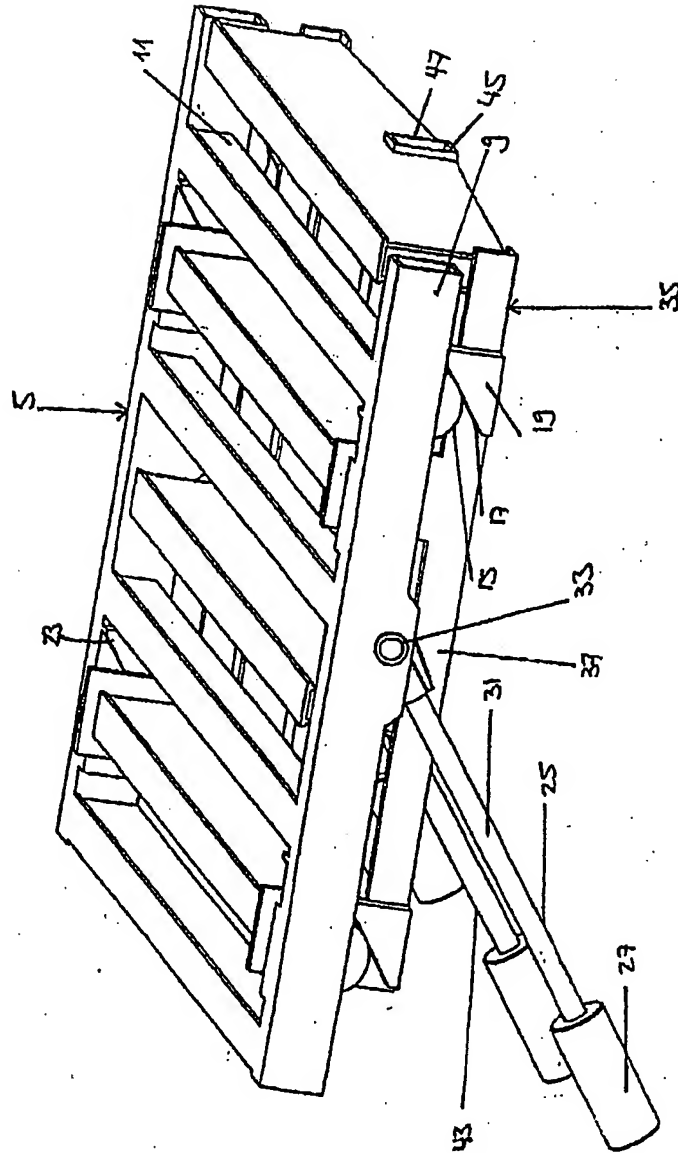
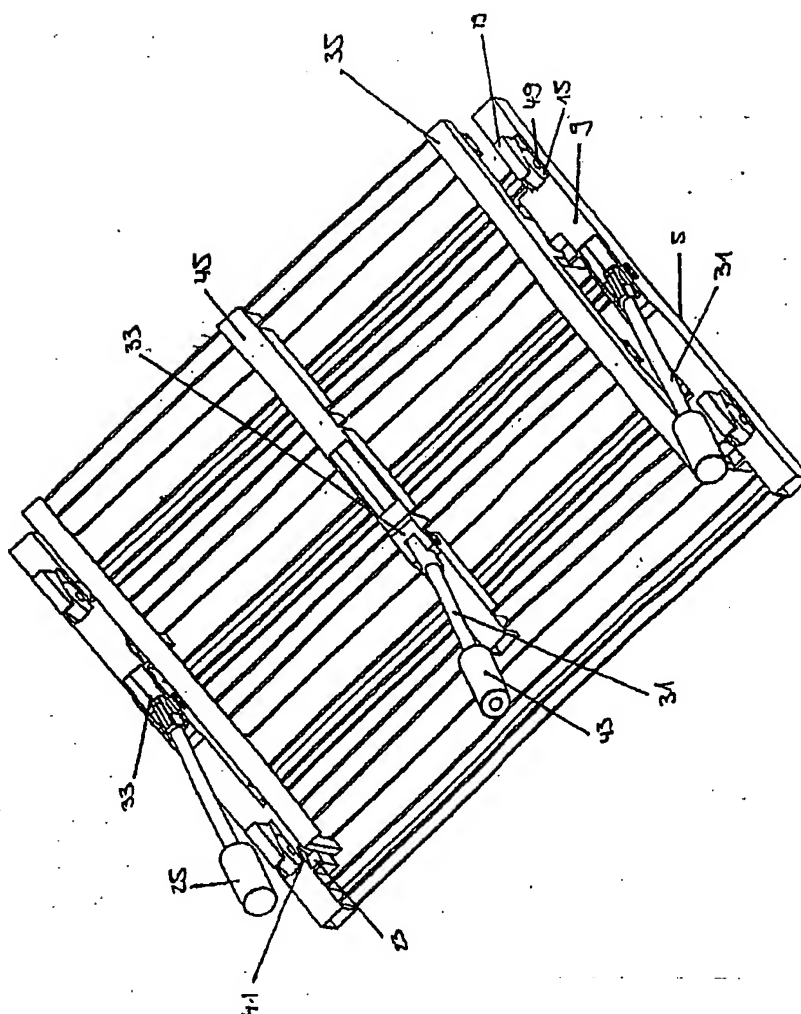


Figure 3



**Figure 4**

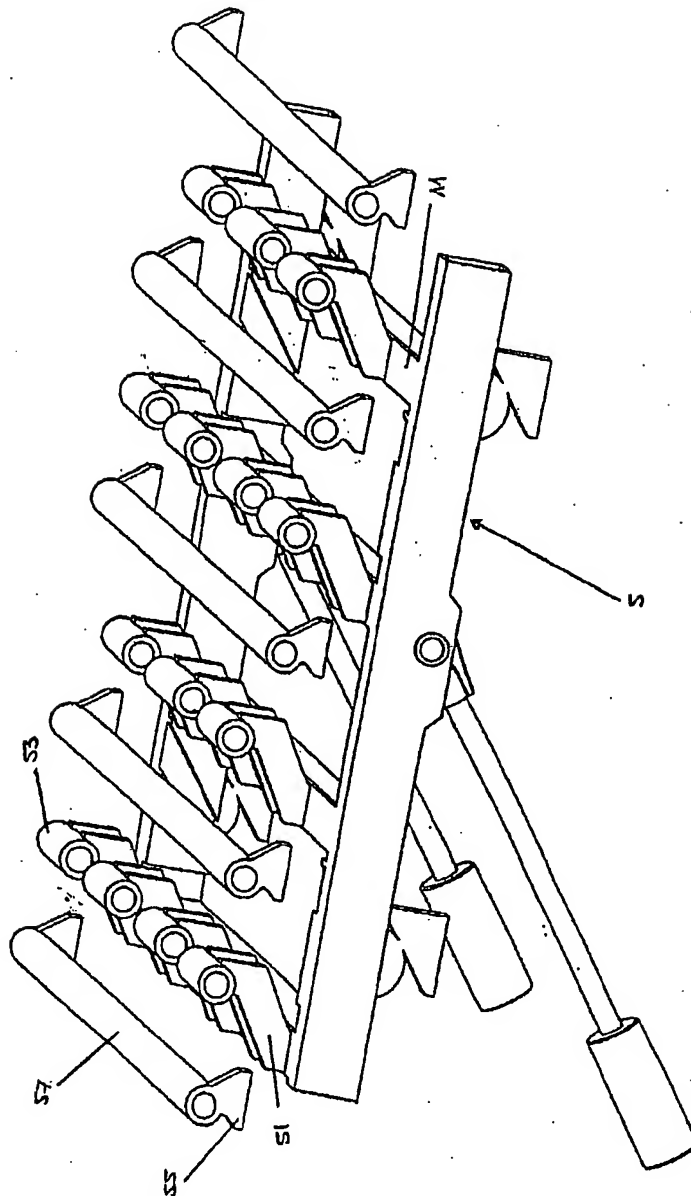


Figure 5

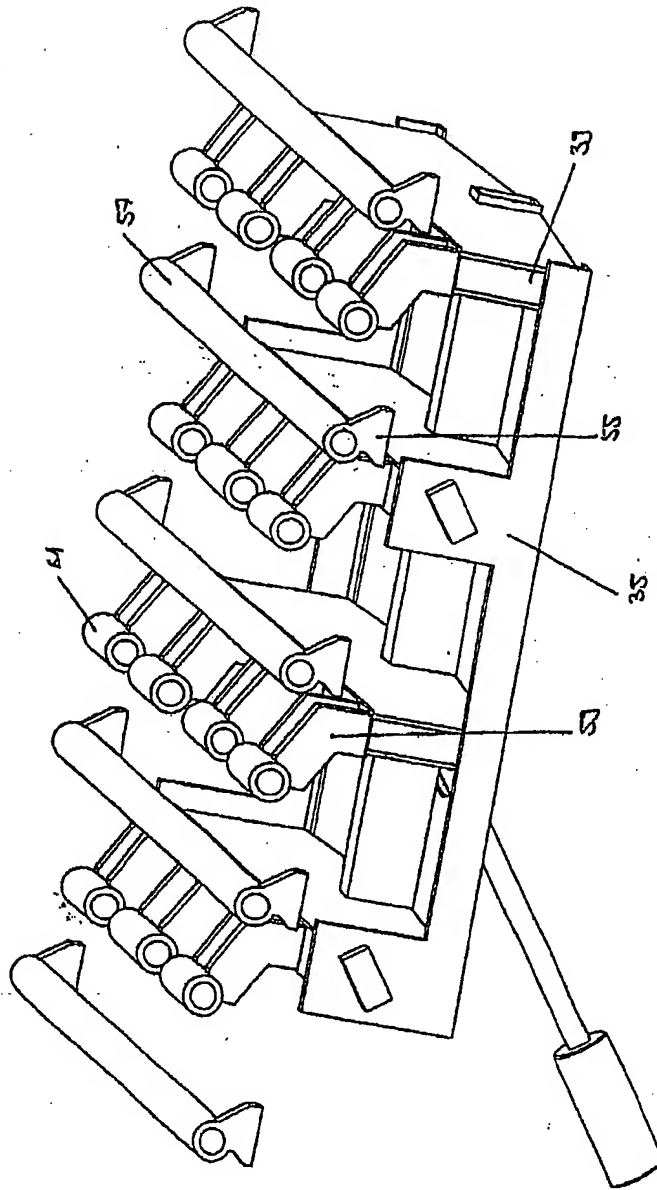


Figure 6



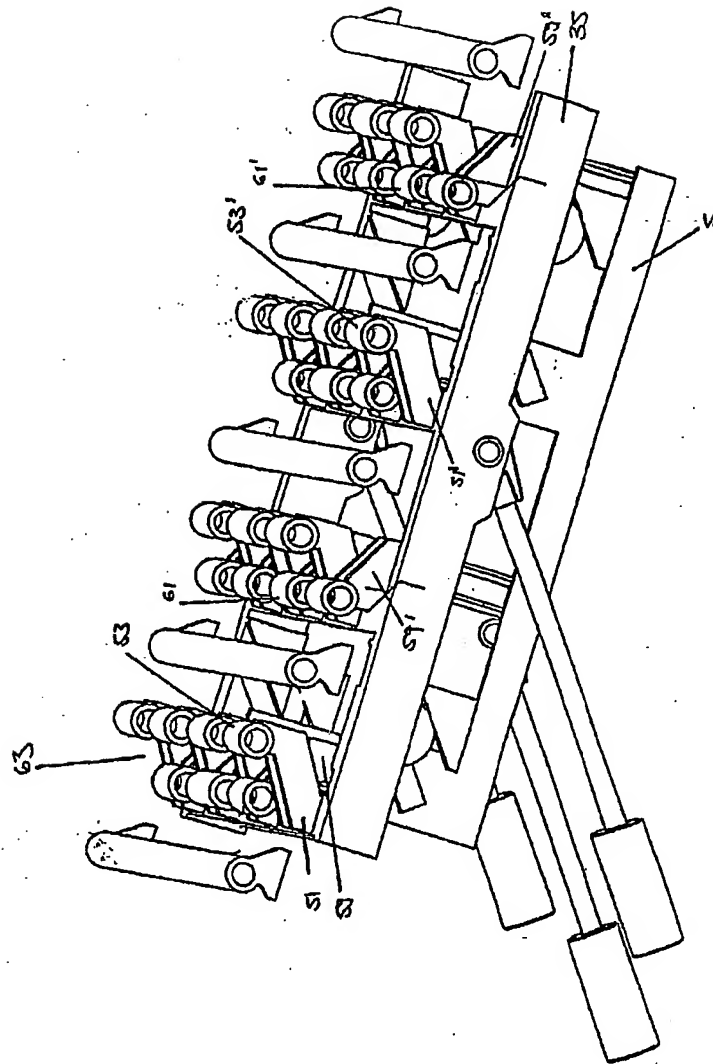


Figure 7

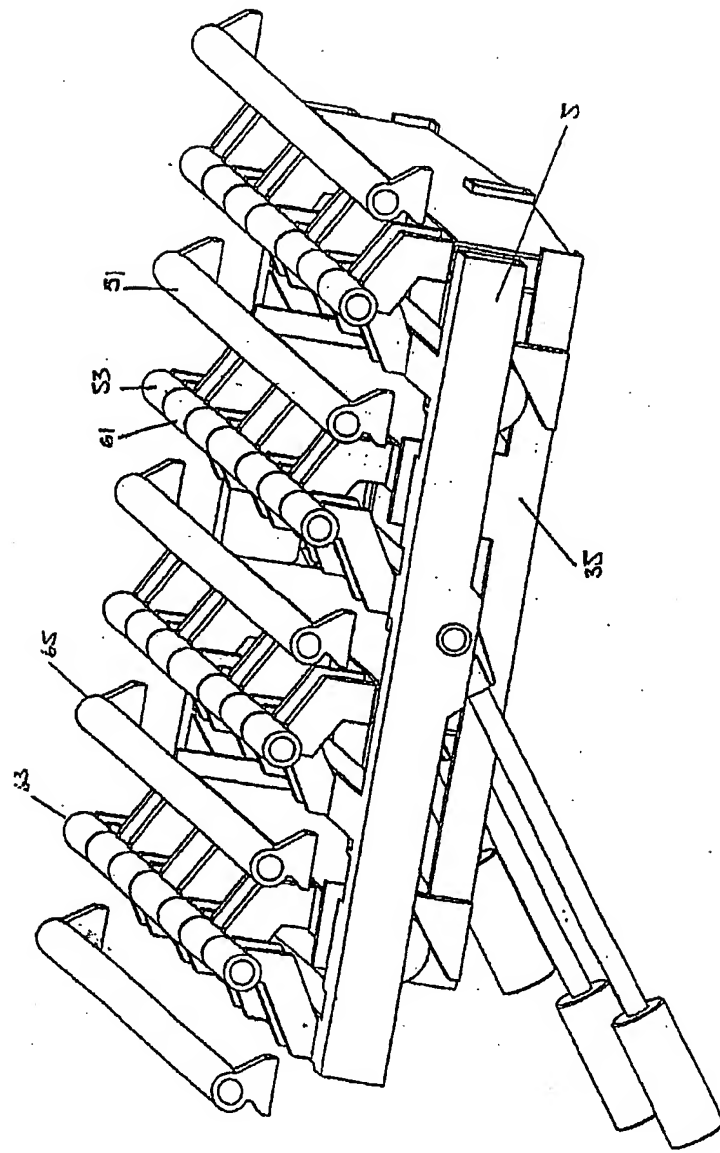


Figure 8

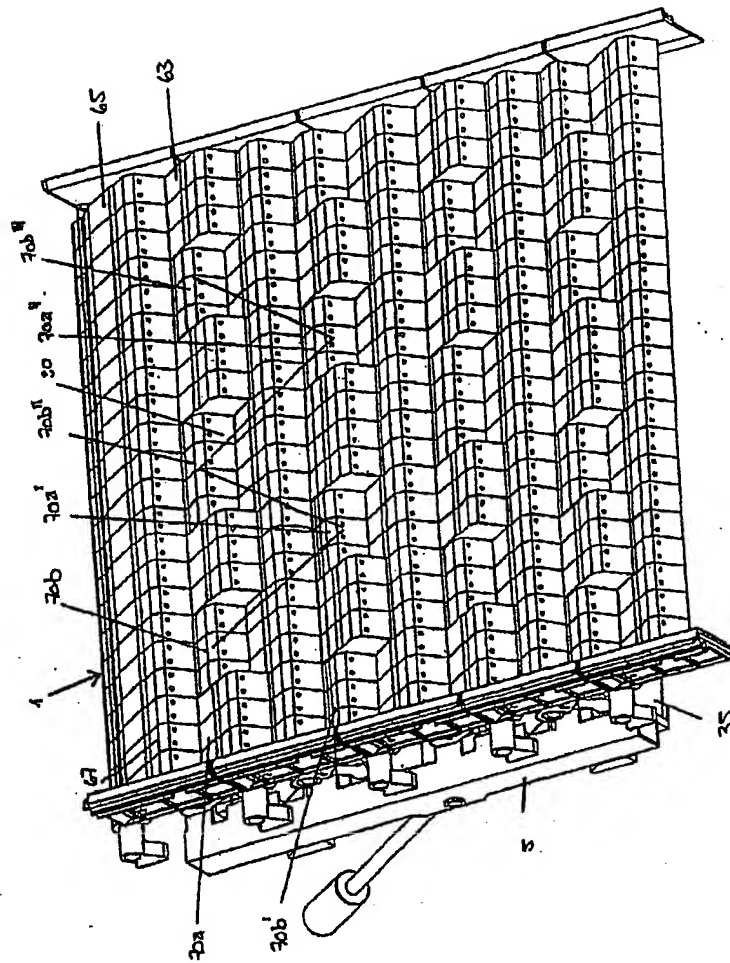
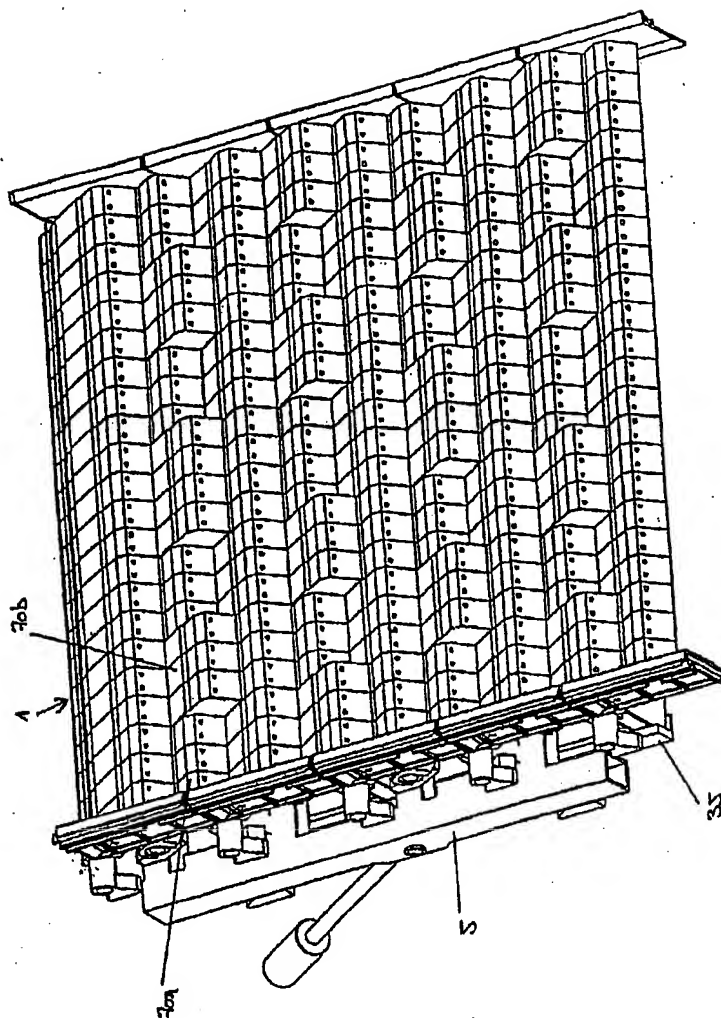
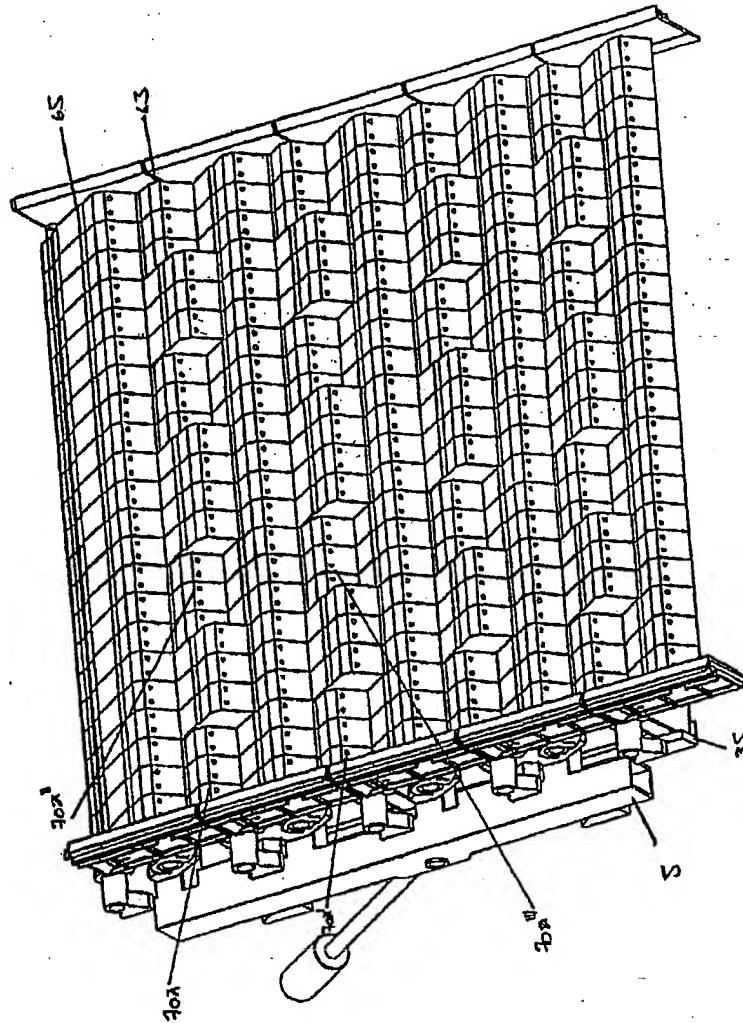


Figure 9



**Figure 10**





**Figure 12**

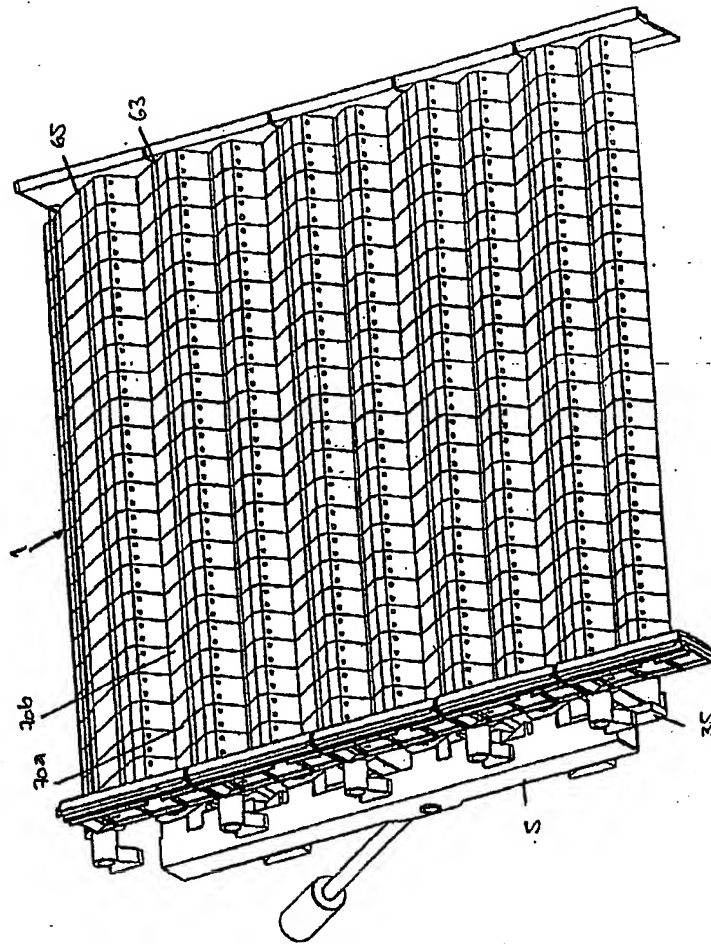


Figure 13

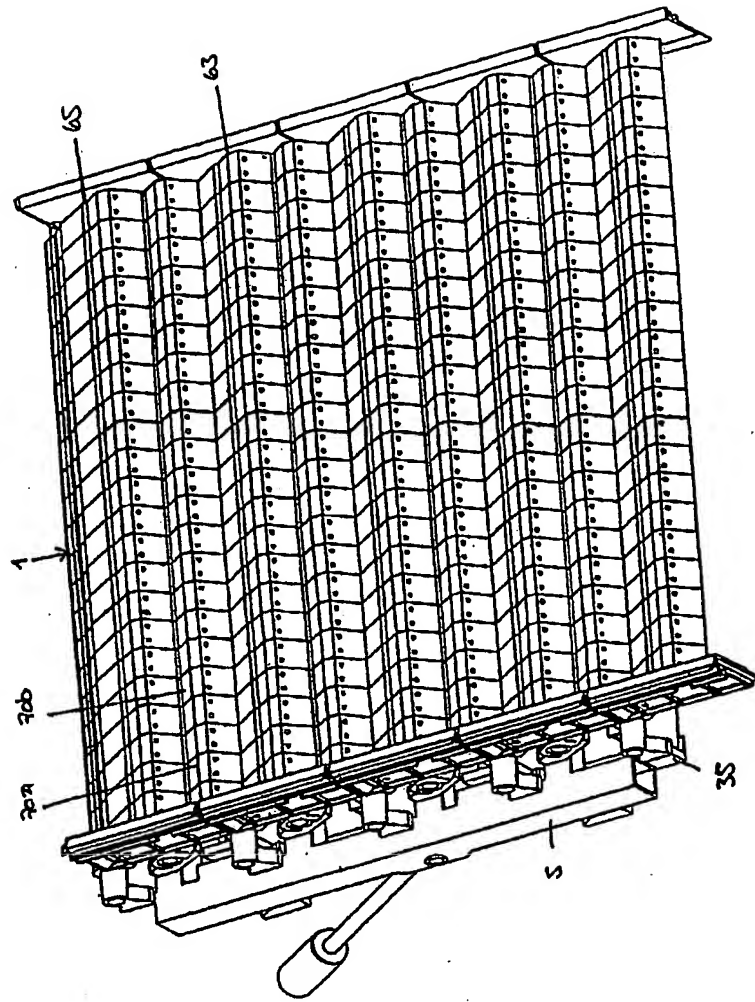


Figure 14